

## Peoples :- Biodiversity Register (PBR) : General Details

Name of the Panchayat Samity : Degair

Taluk :- Kharah Balli

District :- Jammu

State:- J & K (UT)

Geographical area of Gram Panchayat Samiti :- 1137.99 hectare

Population under the Panchayat Samiti Total 1351

Male: 749

Female: 602

Habitat and Topography

Climate (Rainfall ,Temperature and other weather Pattern)

Land use (Nine fold classification available with village records)

Date ,Month and year of PBR preparation: 30/11/2019

Management Regime Reserve forest (RF)/Joint Forest Management (JFM)/Protected areas (PA) (Communityowned management Forests (COM)

**Annexure 1**

**Details of Biodiversity Management Committee (BMC) of the Panchayat Battal (one elected Chairperson) and six persons nominated by the locals ., not less than one third to be women and not less than 18 % belonging to SC /ST.**

**1) Name of the Chairperson :-** Sh. Bali Ram Sharma S/o Sh. Mithu Ram

**Age:-** 48 yrs

**Gender :-** Male

**Address :-** R/o Degair

**Area of specialisation:-** Farming

**2) Name :-** Smt. Nisha Devi W/o Sh. Ajeet Kumar

**Age :-** 35 yrs

**Gender ;**-Female

**Address:-** R/o Degair

**Area of specialisation :-** Cattle Feeding

**3) Name :-** Smt. Shallu Sharma W/o Sh. Rattan Lal

**Age :-**19 yrs

**Gender ;**- Female

**Address :-** R/o Degair

**Area of specialisation :-** Farming

**4) Name :-**Sh. Jeet Kumar s/o Sh. KrishanLal

**Age ;**-22 yrs

**Gender :-** Male

**Address ;**- **R/o Dager**

**Area of specialisation :-** Farming

**5) Name :-**Sh.AshokKumars/o Sh. Balak Ram

**Age :-**43 yrs

**Gender :** Male

**Address :-**R/o Degair

**Area of specialisation :-** Cattle Feeding

**6) Name :-** Sh. Ashok Kumar S/o Sh. Balak Ram

**Age :-** 43 yrs

**Gender :-** Male

**Address :-** R/o Degair

**Area of specialisation :-** Farming

**7) Name :-**Sh. Ganesh Dass s/o Sh. DurgaDass

**Age :-** 54 yrs

**Gender :-** Male

**Address :-** R/o Degair

**Area of specialisation :-** Govt. Servant

**List of Vaid ,hakims and traditional healthcare (human and livestock) practioners residing and or using biological resources occurring within the jurisdiction of the village.**

**1) Name :- nil**

**Age:-**

**Gender :-**

**Address :**

**Area of specialisation :-**

**Location from which the person accesses biological material :**

**Perception of the practioner on the resource status**

**Medicinal use**

**2) Name :- Nil**

**Age**

**Gender**

**Address**

**Area of specialisation**

**Location from which the person accesses biological material**

**Perception of the practioner on the resource status**

**Medicinal use**

**3) Name :- Nil**

**Age**

**Gender**

**Address**

**Area of specialisation**

**Location from which the person accesses biological material**

**Perception of the practioner on the resource status**

**Medicinal use**

### **Annexure 3**

**List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture ,fisheries and forestry**

**1) Name :-** Sat Paul

**Age :-**54 yrs

**Gender :-** Male

**Address :-** Dager

**Area of specialisation:-** Traditional knowledge in agriculture

**2) Name :-** Nil

**Age**

**Gender**

**Address**

**Area of specialisation**

**3) Name:-** Nil

**Age**

**Gender**

**Address**

**Area of specialisation**

**4) Name :-** Nil

**Age**

**Gender**

**Address**

**Area of specialisation**

**Details of schools ,colleges ,departments and traditional knowledge granted details of the collection fee imposed and details of the benefits derived and mode of their sharing.**

**1) Contact Person :- Nil**

**Name and address**

**2) Contact Person :- Nil**

**Name and address**

**3) Contact Person :- Nil**

**Name and address**

**4) Contact Person :- Nil**

**Name and address**

**You may add more names of Institutions/ NGO/Individuals etc, if necessary**

**Annexure 5**

**Details of access to biological resourcers and traditional knowledge granted, details of collection fee imposed and details of benefit**

| <b>1</b>    | <b>2</b>   | <b>3</b>   | <b>4</b>  | <b>5</b>                                    | <b>6</b>                                    |
|-------------|--|--|---|---|---|
| <b>S.No</b> | <b>Name and Adress of the person/institution/company/ others</b> | <b>Local and sceintific name of biological material and quantity</b> | <b>Date and resolution of BMC and endorsment by Panchayat</b> | <b>Details of collection of fee imposed</b> | <b>Anticipated mode of sharing benefits</b> |
| Nil         | Nil  | Nil  | Nil   | Nil   | Nil   |
|             |  |  |   |   |   |
|             |  |  |   |   |   |
|             |  |  |   |   |   |
|             |  |  |   |   |   |
|             |  |  |   |   |   |

*End of Part I*

### Format 1 Crop Plants

| 1    | 2     | 3                   | 4           | 5  | 6                         | 7            |         | 8   | 9             | 10                                  | 11            | 12                      | 13                                      | 14                        |
|------|-------|---------------------|-------------|--|---------------------------|--------------|---------|---|---------------|-------------------------------------|---------------|-------------------------|---|---------------------------|
| S.No | Crop  | Scientific Name     | Local Name  | Description of the variety                             | Landscape / Habitat       | Local status |         | Special features                              | Uses          | Associated TK                       | Other details | Cropping Season         | Source of Seeds / Plants                | Community / Known. Holder |
|      |       |                     |             |  |                           | Past         | Present |   |               |                                     |               |                         |   |                           |
| 1    | Rice  | <i>Oryza sativa</i> | Dhan/ Munji | B-370(Fine & Long duration)                            | Planes / Low laying Areas | Normal       | Normal  | Basmati 370 is world wise known for its aroma | Food & Fodder | Provides energy fragrance and taste | -             | Kharif (May to October) | Farmers / Department/ Private Suppliers | Farmers                   |
|      |       |                     |             | Basmati 1121/(Coarse K39 K434 Rattana & Long duration) |                           | Normal       | Normal  | Medium tall Coarse Grains                     |               |                                     |               |                         |   |                           |
| 2    | Maize | <i>Zea mays</i>     | Maka        | Dekalb double  | Sub tropical / Upland     | Rare         | Plenty  | Tall, high yielding with yellow in colour)    | Food & Fodder | Provides energy                     | -             | Kharif (May to October) | Farmers / Department/ Private Suppliers | Farmers                   |
|      |       |                     |             | K-517  |                           | Plenty       | Rare    | Average tall with yellow in colour            |               |                                     |               |                         |   |                           |
|      |       |                     |             | Ujala  |                           | Normal       | Plenty  |   |               |                                     |               |                         |   |                           |
|      |       |                     |             | K-612  |                           | Plenty       | Normal  |   |               |                                     |               |                         |   |                           |
|      |       |                     |             | Pro Agro-4794  |                           | Plenty       | Normal  | Tall, high yielding with yellow in colour)    |               |                                     |               |                         |   |                           |

|   |           |                              |       |                |  |        |        |                             |               |                             |                                    |                         |   |         |
|---|-----------|------------------------------|-------|----------------|--|--------|--------|-----------------------------|---------------|-----------------------------|------------------------------------|-------------------------|---|---------|
| 3 | Moong     | <i>Vigna radiata</i>         | Moong | PDM-54         | Hot / Humid of Sub tropical region           | Normal | Rare   | Medium                      | Food          | Source of Vegetable Protein | Also suitable for green Manuring   | Summer/ Kharif          | Farmers / Department/ Private Suppliers | Farmers |
|   |           |                              |       | SML-668        |  | Normal | Plenty | High yielding Variety       |               |                             |                                    |                         |   |         |
|   |           |                              |       | IPM-0203       |  | Normal | Rare   | Excessive vegetative growth |               |                             |                                    |                         |   |         |
| 4 | Mash      | <i>Vigna mungo</i>           | Mhaa  | PU-19          | Warm / Humid of Sub tropical region          | Normal | Normal | High yielding Variety       | Food          | Source of Vegetable Protein | -                                  | Summer/ Kharif          | Farmers / Department/ Private Suppliers | Farmers |
|   |           |                              |       | Utra           |  | Normal | Normal |                             |               |                             |                                    |                         |   |         |
| 5 | Bajra     | <i>Pennisetum americanum</i> | Bajra | Local Variety  | Warm / Humid climate under Sandy loam Soil   | Normal | Normal | Tall & low Yielding variety | Food & Fodder | Source of Energy            | -                                  | Kharif (May to October) | Farmers / Department/ Private Suppliers | Farmers |
|   |           |                              |       | MHB-110        |  | Normal | Normal |                             |               |                             |                                    |                         |   |         |
| 6 | Wheat     | <i>Triticum aestivum</i>     | Kanak | HD2967,PBW 644 | Cool Climate during early part of its growth | Plenty | Plenty | High yielding Variety       | Food & Fodder | Source of Energy            | Suitable for Chappati/Bread making | Rabi                    | Farmers / Department/ Private Suppliers | Farmers |
| 7 | Lentil    | <i>Lens esculantum</i>       | Masar | PL406          | Cool & dry                                   | Normal | Normal | High yielding Variety       | Food          | Source of Protein/Energy    | Improve soil fertility             | Rabi                    | Farmers / Department/ Private Suppliers | Farmers |
| 8 | Chick-pea | <i>Cicer arietinum</i>       | Chana | GNG-469/C 235  | Cool & dry                                   | Normal | Normal | High yielding Variety       | Food          | Source of Protein/Energy    | Improve soil fertility             | Rabi                    | Farmers / Department/ Private Suppliers | Farmers |



|    |              |   |             |   |  |          |          |  |   |   |  |      |   |         |
|----|--------------|---|-------------|---|--|----------|----------|--|---|---|--|------|---|---------|
| 9  | Peas         | <i>Pisum sativum</i>                        | Matar       | Rachna  | Cool & dry   | Normal   | Normal   | Early maturing & High yielding   | Food  | Source of Protein/Energy                    | Used as Vegetable                                  | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 10 | Onion        | <i>Allium cepa</i>                          | Gamd        | nasik Red. Red Coral, Monsanto And Local Spp. | local Planee areas   | Abundant | Abundant | Bulbs Cash Crop  | Vegetables  | Vegetable                                   | Staple Vegetable food                              | Rabi | Farmers / Department/ Private Suppliers |         |
| 11 | Mustard      | <i>Brassica juncea/ Brassica compestris</i> | Sarson      | Pusa Bold/ KOS -1                             | Cool & dry   | Normal   | Normal   | Matures in 145-150 days with 40-42 % oil content                                   | oil for Food  | Source of energy                            | vegetable Oil extracted from seeds used in cooking | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 12 | Gobhi Sarson | <i>Brassica napus</i>                       | Gobhi Saria | GSL-1,DGS-1,Local                             | Cool & dry   | Normal   | Abundant | Annual Herb,yellow flowers bearing Pods  | oil for Food,leaves used as vegetable               | Source of energy i,calciam,copper,potassium | vegetable Oil extracted from seeds used in cooking | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 13 | Linseed      | <i>Linum usitatissimum</i>                  | Alsi        | LC 54   | Cool & dry   | Normal   | Normal   | Medium duration  | Food & fiber  | Source of energy in the shape of Oil        | Medicinal,in dustrial & domestic use               | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 14 | Potato       | <i>Solanum tuberosum</i>                    | Aalo        | Kufri Sindhuri,Kufri Badsha, local            | Potato is an herbaceous annual,requires cool weather,mostly rainfed conditions | Abundant | Abundant | Tubers are round to ovoid, creamish white to light red in colour with shallow eyes | Under ground tubers are used as vegetable,chips etc | -   | High carbohydrate ,provide high n energy value     | Rabi | Farmers / Department/ Private Suppliers | Farmers |

|    |            |                                   |        |                          |   |          |          |                                    |                                |   |   |                              |  |         |
|----|------------|-----------------------------------|--------|--------------------------|---|----------|----------|------------------------------------|--------------------------------|---|---|------------------------------|--|---------|
| 15 | Toria      | <i>Brassica j. rape cv. Toria</i> | Toria  | RSPT-1,RSPT-2,Local var. | Cool & dry with bright sunshine                                 | Normal   | Normal   | Short duration Annual Herb         | oil for preparation of Food    | Source of energy i,calciam,copper,potassium | vegetable Oil extracted from seeds used in cooking  | Between Kharif & Rabi season | Farmers / Department/ Privaate Suppliers | Farmers |
| 16 | Sesame     | <i>Sesamum indicum</i>            | Til    | Punjab Til No.1/local    | Warm / Humid of Sub tropical region                             | Normal   | Normal   | Medium Yielding                    | Food                           | Source of Vegetable oil                     | Religiuous and medicinal value  | June - Oct.                  | Farmers / Department/ Privaate Suppliers | Farmers |
| 17 | Sugar cane | <i>Saccharum officinarum</i>      | Ganna  | COJ-64,COJ-81            | Sub Tropical  | Rare     | Rare     | Long duration crop for Nine months | Food                           | Source of energy in the shape of Gur/Sugar  | Sugar cane Juice used as prefered drink for instant source of energy during summer besides beating heat | Spring season                | Farmers / Department/ Privaate Suppliers | Farmers |
| 18 | Chilli     | <i>Capsicum spp</i>               | Mirchi | Pusa Jawala, CH-1        | Tropica/sub tropical vegetable,grows well warm humid conditions | Abundant | Abundant | Pungency and flavor                | Used as spice ,medicinal value | -   | Contains good ammount of vitamin A&C  | winter season                | Farmers / Department/ Privaate Suppliers | Farmers |

|    |              |                               |         |  |  |          |          |  |                                      |                              |  |                |  |         |
|----|--------------|-------------------------------|---------|--|--|----------|----------|--|--------------------------------------|------------------------------|--|----------------|--|---------|
| 19 | Tomato       | <i>Solanum lycopersicum</i>   | Tamater | Pusa rubi,Pusa early dwarf, Manisha Plus/local | Warm season crop   | Abundant | Abundant | Stems are woody and weak, and tend to vine over other types of plants. | Used as vegetable ,salad, soup,Souce | rich source of Ascorbic acid | <b>Tomatoes</b> are also packed with vitamins A and C, calcium, potassium. | Rabi           | Farmers / Department/ Privaate Suppliers | Farmers |
| 20 | Okra         | <i>Abelmoschus esculentus</i> | Bindi   | Varsha uphar, Arka Anamika                     | Tropica/sub tropical Hot and humid climate                         | Abundant | Abundant | Tender green fruit used as vegetable                                   | Mainly vegetable                     | Source of Fiber              | Contains dietary fibers,protein and carbohydrate                           | Summer/ Kharif | Farmers / Department/ Privaate Suppliers | Farmers |
| 21 | Cucumber     | <i>Cucumis sativus</i>        | Kheera  | Kheera local,JL                                | Grows in all climatoic conditions, Tropical,Sub tropical &temprate | Abundant | Abundant | Limbing annual bearing elongated thick cylendrical fruit               | Mainly used as salad                 | -                            | It also used as antipyretic and causing cooling effect                     | Summer/ Kharif | Farmers / Department/ Privaate Suppliers | Farmers |
| 22 | Bottle gourd | <i>Lagenaria siceraria</i>    | Lokki   | PSPL/Punjab Long                               | Summer &rainy season crop  | Abundant | Abundant | Vines vigrous, profusly branched                                       | Subzis, curries and gravies.         | -                            | It also contains essential vitamins and minerals                           | Summer/ kharif | Farmers / Department/ Privaate Suppliers | Farmers |

|    |              |   |           |  |                                    |          |          |  |   |  |   |               |  |         |
|----|--------------|---|-----------|--|------------------------------------|----------|----------|--|---|--|---|---------------|--|---------|
| 23 | Bitter gourd | <i>Momordica charantia</i>                | karela    | Pusa Domausmi/Kundan                   | Warm and Humid climate             | Abundant | Abundant | Herbaceous climbing annual with ridged stems                 | Vegetable and medicinal value                     | -  | Used for maintaining low suger level                      | Summer/kharif | Farmers / Department/ Privaate Suppliers | Farmers |
| 24 | Beans        | <i>Phaseolus Spp.</i>                     | Phaliya   | Contender                              | Cool weather crop/Sandy/loamy soil | Abundant | Abundant | Tender green pods are used as vegetable                      | Mainly vegetable                                  | Source of energy in the shape of Gur/Sugar | High vale protein,VitamineB1,B2<B6 and Maganese           | Summer season | Farmers / Department/ Privaate Suppliers | Farmers |
| 25 | Cauliflower  | <i>Brassica oleraceae var.botrytis</i>    | Fol gobi  | Pusa snow ball,Pusa Katki,local Girja  | Both sub tropical &intermediate    | Abundant | Abundant | White and tender head ,curdformed from shortened flower part | Curd Mainly used as vegetable                     | -  | Also good source of protein,carbohydrate,phosphorus& iron | Rabi          | Farmers / Department/ Privaate Suppliers | Farmers |
| 26 | Cabbage      | <i>Brassica oleraceae var.capitata</i>    | Band gobi | Golden Acre,Pride of India,Green Flesh | Both sub tropical &intermediate    | Abundant | Abundant | Round head withlight to dark green colour                    | Head Mainly used as vegetable,salad               | -  | Also good source of protein,carbohydrate,phosphorus& iron | Rabi          | Farmers / Department/ Privaate Suppliers | Farmers |
| 27 | Knol khol    | <i>Brassica oleraceae var.gongyloides</i> | Kadam     | White vienna,Purple vienna             | cool &moist climate/sub tropical   | Abundant | Abundant | Swollen stem ,grrn/purple with long and broad leaves         | Swollen stem and leaves are consumed as vegetable | -  | -   | Rabi          | Farmers / Department/ Privaate Suppliers | Farmers |

|    |                     |   |                 |                            |   |          |          |  |  |   |  |      |  |         |
|----|---------------------|---|-----------------|----------------------------|---|----------|----------|--|--|---|--|------|--|---------|
| 28 | Spanich             | <i>Spinacea oleracea</i>                          | Palak           | All Green,Delta            | Cool season Crop, thrives well on well drained loam soils       | Abundant | Abundant | Tender green leaves & root used as Vegetable                       | Tender green leaves used as leafy Vegetable                        | - | Vitamins A and C, fiber, folic acid, and other nutrients                 | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| 29 | Radish              | <i>Raphanus sativus</i>                           | Mulli           | Japanes White ,Koren Etc   | Cool season Crop, thrives well on well drained Sandy loam soils | Abundant | Abundant | Tender green leaves & roots used as Vegetable                      | Modified Roots are used as Vegetabke & Salad                       | - | Full of vitamin A, C, E, B6, potassium, and other minerals,              | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| 30 | Carrot              | <i>Daucus carota</i>                              | Gajer           | Pusa Kesar,local           | Cool &moist climate/ sub tropical& intermedite                  | Abundant | Abundant | Modified Root is eatable   | Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc. | - | Good source of carotene, , lutein, and zeaxanthin. Vit A,C,B6,Folic acid | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| 31 | Turnip              | <i>Brassica rapa</i>                              | Gunglu /Shalgam | PTWG/Local                 | Cool &moist climate/sub tropical&intermedite                    | Abundant | Abundant | Modified Root is eatable   | Root is used as Vegetable ,Salad,,                                 | - | Good source of Vit.C,Diatry Fiber &Potasium                              | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| 32 | Exocitic Vegetables | <i>Broccoli// Chinese Cabbage / Capsicum etc.</i> |                 | Prevelent Hybrid varieties | Cool &moist climate/sub tropical&intermedite                    | Rare     | Abundant | All Plants Carts and Fruits are eadable Ric Source of antioxidants | Salad and Vegetable  |   | Ric Source of Multivitamins, Minierals and Antioxidants                  | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |

**Format 02 : Fruit Plant**

| 1            | 2                               | 3  | 4                                | 5                     | 6                   | 7            |         | 8                            | 9                   | 10                          | 11            | 12                              | 13                      |
|--------------|---------------------------------|--|----------------------------------|-----------------------|---------------------|--------------|---------|------------------------------|---------------------|-----------------------------|---------------|---------------------------------|-------------------------|
| Plants       | Scientific Name                 | Local Name                                 | Variety                          | Habit                 | Landscape / Habitat | Local Status |         | Source of Plants / Seeds     | Seasons of Fruiting | Uses (Usages)               | Associated TK | Others Details Market / Own Use | Community / Know Holder |
|              |                                 |  |                                  |                       |                     | Past         | Present |                              |                     |                             |               |                                 |                         |
| Mango        | <i>Mangifera indica</i>         | Aam  | Desi, Dusheri, Malta             | Alternate Bearing     | Plains              | Plenty       | Plenty  | Nurseries                    | Jun-Aug             | Fruit, Pickle, Preserves    |               | Marketing, Own Use              |                         |
| Citrus Fruit | <i>Citrus spp.</i>              | Khatti, Galgal, Nimbu, Santra, Kinnoo etc. | Local Selection, Kagzi Lime etc. | Tree, Regular Bearing | Plains, mid hills   | Plenty       | Plenty  | Nurseries                    | Through Out Year    | Fruit, Pickle, Squashes etc |               | Marketing, Own Use              |                         |
| Litchi       | <i>Litchi chinensis</i>         | Litchi                                     | Culcatta, Dehradun               | Tree, Regular Bearing | Plains              | Plenty       | Plenty  | Nurseries                    | Jul - Aug           | Fruit                       |               | Marketing                       |                         |
| Guava        | <i>Psidium guajava</i>          | Amrood                                     | Local, L49 etc.                  | Tree, Regular Bearing | Plains, Lower Hills | Plenty       | Plenty  | Nurseries                    | Jul - Aug           | Fruit                       |               | Marketing, Own Use              |                         |
| Grapes       | <i>Vitis vinifera</i>           | Anjoor                                     | Local Dakh, Perlette             | Vine, Regular Bearing | Plains, Mid Hills   | Rare         | Plenty  | Nurseries                    | Jul - Aug           | Fruit                       |               |                                 |                         |
| Aonla        | <i>Phyllanthus emblica</i>      | Ambala                                     | Local Selection, NA-7            | Tree, Regular Bearing | Plains              | Plenty       | Plenty  | Nurseries, Local Collections | Nov.- Dec           | Pickling Preserve etc       |               | Marketing, Own Use              |                         |
| Ber          | <i>Ziziphus mauritiana lamk</i> | Ber  | Gola, Varanasi                   | Tree, Regular Bearing | Plains              | Plenty       | Plenty  | Local                        | Jul - Aug           | Fruit                       |               | Own Use                         |                         |

|             |                            |              |                         |                              |                   |      |        |                               |           |                 |  |                    |  |
|-------------|----------------------------|--------------|-------------------------|------------------------------|-------------------|------|--------|-------------------------------|-----------|-----------------|--|--------------------|--|
| Jamun       | <i>Syzygium cumini</i>     | Jamun        | Local Selection         | Tree, Regular Bearing        | Plains            | Rare | Rare   | Nurseries, Local Raised       | Jul - Aug | Fruit           |  | Own Use            |  |
| Pomegranate | <i>Punica granatum</i>     | Anaar, Druni | Ganesh, Kandhari, Local | Tree, Regular Bearing, Shrub | Plains, Mid hills | Rare | Rare   | Nurseries, Local Raised, Wild | May - Aug | Fruit, Anardana |  | Own Use            |  |
| Pear        | <i>Pyrus spp.</i>          | Nakh         | Pathar Nakh, China Pear | Tree, Regular Bearing        | Plains, mid hills | Rare | Rare   | Nurseries                     | Aug - Sep | Fruit           |  | Own Use            |  |
| Peach       | <i>Prunus persica</i>      | Aaroo        | July Elberta, Quetta    | Tree, Regular Bearing        | Plains, mid hills | Rare | Plenty | Nurseries                     | Jun - Jul | Fruit           |  | Marketing, Own Use |  |
| Strawberry  | <i>Fragaria × ananassa</i> | Strawberry   | Chandler                | Runner, Annual               | Plains, mid hills | Rare | Plenty | Nurseries                     | Mar - Apr | Fruit           |  | Marketing          |  |
| Karonda     | <i>Carissa carandas</i>    | Garnay       | Local                   | Shrub                        | Hills/ Plains     | Rare | Rare   | Wild, Local                   | Jun - Aug | Fruit           |  | Marketing, Own Use |  |
| Papaya      | <i>Carica papaya</i>       | Papita       | Local                   | Tree                         | Plains            | Rare | Plenty | Nurseries, Locally Raised     | Aug - Oct | Fruit           |  | Own Use            |  |

**Format 3: Fodder Crops / Species**

| 1      | 2       | 3                             | 4          | 5      | 6                           | 7                           | 8            |          | 9                          | 10  | 11                         | 12                                      | 13                    |
|--------|---------|-------------------------------|------------|--------|-----------------------------|-----------------------------|--------------|----------|----------------------------|---|----------------------------|---|-----------------------|
| S. No. | Plant   | Scientific Name               | Local Name | Habit  | Area (Approx.)Rabi / Kharif | Landscape/ Habitat          | Local Status |          | Part Used                  | Associated TK   | Other details(mode of use) | Sources of Seeds and Plants             | Community Kn. Holders |
|        |         |                               |            |        |                             |                             | Past         | Present  |                            |   |                            |   |                       |
| 1      | Barseem | <i>Trifolium alexandrium</i>  | Chhatala   | Annual |                             | Sub Humid & moderately cool | Abundant     | Abundant | Entire Plant               | Nutritious & palatable fodder, Source of energy for animals | Fodder                     | Farmers / Department/ Private Suppliers | Farmers               |
| 2      | Oats    | <i>Avena spp.</i>             | Javi       | Annual |                             | Cool & moist climate        | Abundant     | Abundant | Above ground part of plant | Nutritious & palatable fodder,                              | Fodder                     |   | Farmers               |
| 3      | Sorghum | <i>Sorghum spp.</i>           | cherri     | Annual |                             | Warm & humid                | Abundant     | Abundant | Above ground part of plant | Source of energy  | Fodder                     | Farmers / Department/ Private Suppliers | Farmers               |
| 4      | Maize   | <i>Zea mays</i>               | Makki      | Annual |                             | Warm & humid                | Abundant     | Abundant | Above ground part of plant | Source of energy  | Food & fodder              |   | Farmers               |
| 5      | Bajra   | <i>Pennisetium americanum</i> | Bajra      | Annual |                             | Warm & humid                | Abundant     | Normal   | Above ground part of plant | Source of energy  | Food & fodder              | Farmers / Department/ Private Suppliers | Farmers               |
| 6      | Cowpea  | <i>Vigna unguiculata</i>      | Rongi      | Annual |                             | Warm & humid                | Abundant     | Normal   | Above ground part of plant | Kharif Legume with high protein                             | Fodder                     |   | Farmers               |



**Format 4: Weeds**

| 1      | 2               | 3                              | 4                            | 5  | 6                           | 7                      | 8            |          | 9                                | 10                             | 11  | 12                                      | 13                    |
|--------|-----------------|--------------------------------|------------------------------|--|-----------------------------|------------------------|--------------|----------|----------------------------------|--------------------------------|---|---|-----------------------|
| S. No. | Plant           | Scientific Name                | Local Name                   | Affected Crop                                  | Habit                       | Landscape/<br>Habitat  | Local Status |          | Uses if any                      | Management options             | Associated TK   | Other details                           | Community Kn. Holders |
|        |                 |                                |                              |  |                             |                        | Past         | Present  |                                  |                                |   |   |                       |
| 1      | Pig Weed        | <i>Amaranthus viridis</i>      | Jangli Choulai               | Rice, Maize & sugarcane                        | Annual herb                 | Agri. Land             | Normal       | Normal   | Eaten as boiled green veg        | Physical, Mechanical, Chemical | Rich Source of protein & amino acid                           | Also Used as medicinal herb             | Farmers               |
| 2      | Lamb's quarters | <i>Chenopodium album</i>       | Bathua/<br>Kanh/Wild Spinach | Wheat, Pea, Potato                             | Annual herb                 | Agri. Land             | Normal       | Normal   | Eaten as boiled green veg        | Physical, Mechanical, Chemical | Rich Source of protein, Vit. A, Calcium, Phosphorous & potash | Annual feed & fermentation of Beverages | Farmers               |
| 3      | Nut Grass       | <i>Cyprus rotundus</i>         | Dilla/Motha                  | Paddy, maize, sugarcane, vegetable             | Perennial                   | Agri. & Non Agri. Land | Abundant     | Abundant | Fodder & Animals                 | Physical, Mechanical, Chemical | Nil   | Traditionally used as medicine          | Farmers               |
| 4      | Barnyard Grass  | <i>Echinochloa crusgalli</i>   | Swank                        | Paddy  | Annual                      | Agri. Land             | Abundant     | Abundant | Fodder & Animals                 | Physical, Mechanical, Chemical | Nil   | Nil                                     | Farmers               |
| 5      | Carrot grass    | <i>Parthenum hysterophorus</i> | Congress Grass               | Gardens & sugarcane ratoon crops & other crops | Annual                      | Agri. Land             | Abundant     | Abundant | Nil                              | Physical, Mechanical, Chemical | Abnoxious weed difficult to manage                            |   | Farmers               |
| 6      | Bur Clover      | <i>Medicago denticulata</i>    | Maina                        | Wheat Grass Peas                               | Perennial herbaceous legume | Agri. Land             | Normal       | Normal   | Fodder, vegetable & green manure | Mechanical, Chemical           | Nil   | Improves Soil fertility                 | Farmers               |
| 7      | Canary Grass    | <i>Phalaris minor</i>          | Sitti/gilli danda            | Wheat Grass Peas, mustard                      | annual                      | Agri. Land             | Abundant     | Abundant | Fodder & forage                  | Mechanical, Chemical           | Source for High quality protein                               | Agri. Land                              | Farmers               |

|    |                |                            |              |                              |             |                           |         |         |                      |                         |     |                                    |         |
|----|----------------|----------------------------|--------------|------------------------------|-------------|---------------------------|---------|---------|----------------------|-------------------------|-----|------------------------------------|---------|
| 8  | Meadow Pea     | <i>Lathyrus aphaca</i>     | Matri        | Wheat Grass<br>Peas, mustard | annual      | Agri. Land                | Normal  | Normal  | Fodder               | Mechanical,<br>Chemical | Nil | Agri. Land                         | Farmers |
| 9  | Canada Thistle | <i>Cirsium arvense</i>     | Leh          | Wheat gram,<br>Barley        | Perennial   | Agri. &<br>wasteLand      | Normal  | Normal  |                      | Mechanical,<br>Chemical | Nil | Agri. Land                         | Farmers |
| 10 | Bang           | <i>Cannabis indica</i>     | Bang         | Kharif Crops                 | Perennial   | Agri. &<br>wasteLand      | Normal  | Normal  |                      | Mechanical,<br>Chemical | Nil | Agri. Land                         | Farmers |
| 11 | Nilibuti       | <i>eratum conyzoid</i>     | Nilibuti     | Rabi Crops                   | Perennial   | Agri. &<br>wasteLand      | Normal  | Normal  |                      | Mechanical,<br>Chemical | Nil | Agri. &<br>wasteLand               | Farmers |
| 12 | Dub Grass      | <i>Cynodon dactylon</i>    | Dub Grass    | Rabi/ Kharif                 | Perennial   | Agri. &<br>wasteLand      | Abudant | Abudant | Fodder               | Mechanical,<br>Chemical | Nil | Agri. &<br>wasteLand               | Farmers |
| 13 | Wild oats      | <i>Avne fatua</i>          | Jangli Javi  | Oats                         | Annual herb | Sub Tropical              | Rare    | Rare    | Fodder               | Above ground<br>parts   | -   | Nutrative<br>Fodder for<br>Animals | Farmers |
| 14 | Wild Rice      | <i>Echinochloa colonum</i> | Swanki       | Paddy                        | Annual herb | Sub Tropical              | Rare    | Rare    | Fodder               | Above ground<br>parts   | -   | Nutrative<br>Fodder for<br>Animals | Farmers |
| 15 | Jhonson Grass  | <i>Sorghum helepense</i>   | Beru grass   | Sorghum                      | Perinneal   | Sub Tropical              | Rare    | Rare    | Fodder               | Above ground<br>parts   | -   | Nutrative<br>Fodder for<br>Animals | Farmers |
| 16 | wild onion     | <i>Allium humaie</i>       | Jangli payas | Onion                        | Annual herb | Temprate/<br>sub tropical | Rare    | Rare    | Food and<br>medicine | All parts used          | -   | -                                  | Farmers |

**Format 5: Pests of Crops**

| 1      | 2                   | 3  | 4                  | 5                | 6  | 7                     | 8   | 9             | 10                                     | 11                    |
|--------|---------------------|--|--------------------|------------------|--|-----------------------|---|---------------|--|-----------------------|
| S. No. | Insect /Animal      | Scientific Name                              | Local Name         | Habit            | Habitat                                    | Time/Season of Attack | Management Mechanism                                      | Associated TK | Other details                          | Community Kn. Holders |
| 1      | Mustard aphid       | <i>Lipaphis erysimi</i>                      | aphid              | Sucking pest     | Attacks mustard & other cucurbit crops     | Dec-March             | Timely sowing of crop & Chemical, Biological & Mechanical | -             | Major threat to oil seed crops of Rabi | Farmers               |
| 2      | Termite             | <i>Microtermis obesi/ Odontoremes obesus</i> | Telle              | Chewing & biting | Wheat & other crops                        | Nov-May               | Cultural & Chemical measures                              | -             | Major threat to unirrigated crops      | Farmers               |
| 3      | Blister beetle      | <i>Mylabris spp.</i>                         | Ghuri              | Chewing & biting | Attacks Maize, Bhindi & Pulses             | June-Oct              | Mechanical& Chemical measures                             | -             | Insectivorous feed on grasshopper      | Farmers               |
| 4      | Cereal leaf Beetle  | <i>Oulema melanopus</i>                      |                    | Chewing & biting | Attacks Maize                              | Aug-Sep               | Chemical measures   | -             | Most recent occurrence                 | Farmers               |
| 5      | Red Pumpkin Beetle  | <i>Raphidopalpa foveicellis</i>              | Lal Kaddu Beetle   | Chewing & biting | Cucurbits                                  | March-Oct             | Chemical measures   | -             | Most common in fields of Cucurbits     | Farmers               |
| 6      | Cucurbits fruit fly | <i>Bactrocera cucurbitae</i>                 | Melon fly          | Chewing & biting | Attacks Pumpkin, cucumber & gourds         | Throughout the year   | Mechanical & Chemical, Pheronon trap                      | -             | Danger to all cucumber crops           | Farmers               |
| 7      | Maize stem Borer    | <i>Chilo partellus</i>                       | Sundi /Tana-shedak | Chewing & biting | Attacks Maize, sorghum , Bajra & sugarcane | July to sept          | Mechanical& Chemical measures                             | -             | Causes dead hearts in young plants     | Farmers               |

|    |                |   |                             |   |                                   |                     |                               |   |   |                         |
|----|----------------|---|-----------------------------|---|-----------------------------------|---------------------|-------------------------------|---|---|-------------------------|
| 8  | Grasshopper    | <i>Hygro blasses Negro / Hieroglyphus nigropletus</i> | Tidi                        | Maize and Paddy                         | Maize, Paddy, Jojr Bajra          | July to sept        | Mechanical& Chemical measures | - | Eats leaves   | Farmers                 |
| 9  | Rice Gandi Bug | <i>Leptocorzia varcornis</i>                          | Gandi Bug                   | Paddy                                   | Paddy at miliking stage           | July to Oct.        | Mechanical& Chemical measures | - | Pierce the grains at miliking stage                       | Farmers                 |
| 10 | Army worm      | <i>Spodoptera Frugiperda</i>                          | Caterpillar                 | All Crops                               | Defoliaties Major crops           | Through the year    | Mechanical& Chemical measures | - | Defoliates all crops                                      | Farmers                 |
| 11 | Leaf Floder    | <i>Cnaphalocrocis meddialis</i>                       | Ctter Pillers               | Feeds on leavs abd stem                 | Attacts on Paddy Leaves           | June to Oct.        | Mechanical& Chemical measures | - | Major threats   | Farmers                 |
| 12 | Stem Borer     | <i>Tryporza incrtules</i>                             | Tana shedat/ Catter pillers | Bores into stem results into dead heart | Crops Plants                      | June to Oct.        | Mechanical& Chemical measures | - | Major threats   | Farmers                 |
| 13 | Cut worm       | <i>Agrotis ipsilon</i>                                | Ludi                        | Cuts stem and leaves                    | Wheat sorguham maize and other    | Throughout the year | Mechanical& Chemical measures | - | Major threats   | Farmers                 |
| 14 | White Fly      | <i>Aleyrodidae</i>                                    |                             | Suks the shap of plants                 | Sobin Bhindi and all pulses crops | April to Oct.       | Chemical measures             | - | Major threats   | Farmers                 |
| 15 | Field rats     | <i>Ratus meltada</i>                                  | Chouha                      | Nocturnal in habit                      | Attacks all crops                 | Throughout the year | Mechanical& Chemical measures | - | Lives in burrows opening hidden in bushes                 | Farmers                 |
| 16 | Monkey         | <i>Rhesus macaque</i>                                 | Bander                      | Attacks agriculture crops               | Forest & human habitat            | Throughout the year | Traps & chemosterlization     | - | Cause extensive damage to almost all crops,attacks humans | general public/ Farmers |







**Format 9: Waterscape**

| 1                       | 2         | 3                        | 4                           | 5             | 6             | 7   | 8           | 9                    | 10           | 11            | 12            | 13                 |
|-------------------------|-----------|--------------------------|-----------------------------|---------------|---------------|---|-------------|----------------------|--------------|---------------|---------------|--------------------|
| Waterscape element type | Sub- type | Features and approx area | Ownership                   | General flora | General fauna | Major uses  | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Ponds                   | open      | NA                       | State land and Private land | NA            | NA            | Cattles, wasing Cloths, Irrigation, Drinking Etc. | Public      | NA                   | NA           | NA            | NA            | NA                 |
| Streams                 | open      | NA                       | State land and Private land | NA            | NA            | Cattles, wasing Cloths, Irrigation, Drinking Etc. | Public      | NA                   | NA           | NA            | NA            | NA                 |
| Tube well               | Coverd    | NA                       | State land and Private land | NA            | NA            | Cattles, wasing Cloths, Irrigation, Drinking Etc. | Public      | NA                   | NA           | NA            | NA            | NA                 |
| Dug wells               | Nil       | Nil                      | Nil                         | Nil           | Nil           | Nil   | Nil         | Nil                  | Nil          | Nil           | Nil           | Nil                |
| Canal                   | Nil       | NA                       | Nil                         | NA            | NA            | Nil   | Nil         | NA                   | NA           | NA            | NA            | NA                 |
| Hand pumps              | Nil       | Nil                      | Nil                         | Nil           | Nil           | Nil   | Nil         | Nil                  | Nil          | Nil           | Nil           | Nil                |
| Bowlis                  | Open      | NA                       | State land and Private land | NA            | NA            | Cattles, wasing Cloths, Irrigation, Drinking Etc. | Public      | NA                   | NA           | NA            | NA            | NA                 |



**Format 10: Soil type**

| 1     | 2          | 3      | 4                              | 5  | 6   | 7   | 8   | 9             | 10  |
|-------|------------|--------|--------------------------------|--|---|---|---|---------------|---|
| S.No. | Soil       | Type   | Colour                         | Features   | Soil management   | Plants/Crop Suitable  | Flora and Fauna   | Associated TK | Other Information   |
| 1     | Sandy Loam | Type B | Soft Dark                      | Large particle size, Water drains Rapedily                                   | Add compost, humus, Green Manuring, Decomposed manure etc improves soil quality for better plant growth | Beans, Tomato, Potato, Cucumber, onion, eggplants, carrot, Spinach etc. | Succulants like cacti, Lambs ear, etc.                                      | -             | Genrally not suitable for plants which need lot of water                |
| 2     | Clay Loam  | Type A | Light yellow to raddish colour | Small particles size, Texture dense and compact, retains water and nutrition | Provide good drainage, add organic manure in the form of compost or humus                               | Plants/Crop Suitable  | Ornamental Plants/ grasses, plants with evergreen leaves, colourful Berries | -             | Soil is good for wild varieties of crops, however drainage is a problem |

**Format 11: Fruit Trees**

| 1            | 2                          | 3  | 4                                | 5                     | 6                   | 7            |         | 8                            | 9                   | 10                          | 11            | 12                              | 13                      |
|--------------|----------------------------|--|----------------------------------|-----------------------|---------------------|--------------|---------|------------------------------|---------------------|-----------------------------|---------------|---------------------------------|-------------------------|
| Plants       | Scientific Name            | Local Name                                 | Variety                          | Habit                 | Landscape / Habitat | Local Status |         | Source of Plants / Seeds     | Seasons of Fruiting | Uses (Usages)               | Associated TK | Others Details Market / Own Use | Community / Know Holder |
|              |                            |  |                                  |                       |                     | Past         | Present |                              |                     |                             |               |                                 |                         |
| Mango        | <i>Mangifera indica</i>    | Aam  | Desi, Dusheri, Malta             | Alternate Bearing     | Plains              | Plenty       | Plenty  | Nurseries                    | Jun-Aug             | Fruit, Pickle, Preserves    |               | Marketing, Own Use              |                         |
| Citrus Fruit | <i>Citrus spp.</i>         | Khatti, Galgal, Nimbu, Santra, Kinnoo etc. | Local Selection, Kagzi Lime etc. | Tree, Regular Bearing | Plains, mid hills   | Plenty       | Plenty  | Nurseries                    | Through Out Year    | Fruit, Pickle, Squashes etc |               | Marketing, Own Use              |                         |
| Litchi       | <i>Litchi chinensis</i>    | Litchi                                     | Culcatta, Dehradun               | Tree, Regular Bearing | Plains              | Plenty       | Plenty  | Nurseries                    | Jul - Aug           | Fruit                       |               | Marketing                       |                         |
| Guava        | <i>Psidium guajava</i>     | Amrood                                     | Local, L49 etc.                  | Tree, Regular Bearing | Plains, Lower Hills | Plenty       | Plenty  | Nurseries                    | Jul - Aug           | Fruit                       |               | Marketing, Own Use              |                         |
| Grapes       | <i>Vitis vinifera</i>      | Anjoor                                     | Local Dakh, Perlette             | Vine, Regular Bearing | Plains, Mid Hills   | Rare         | Plenty  | Nurseries                    | Jul - Aug           | Fruit                       |               |                                 |                         |
| Aonla        | <i>Phyllanthus emblica</i> | Ambla                                      | Local Selection, NA-7            | Tree, Regular Bearing | Plains              | Plenty       | Plenty  | Nurseries, Local Collections | Nov.- Dec           | Pickling Preserve etc       |               | Marketing, Own Use              |                         |

|             |                                 |              |                         |                              |                   |        |        |                               |           |                 |  |                    |  |
|-------------|---------------------------------|--------------|-------------------------|------------------------------|-------------------|--------|--------|-------------------------------|-----------|-----------------|--|--------------------|--|
| Ber         | <i>Ziziphus mauritiana lamk</i> | Ber          | Gola, Varanasi          | Tree, Regular Bearing        | Plains            | Plenty | Plenty | Local                         | Jul - Aug | Fruit           |  | Own Use            |  |
| Jamun       | <i>Syzygium cumini</i>          | Jamun        | Local Selection         | Tree, Regular Bearing        | Plains            | Rare   | Rare   | Nurseries, Local Raised       | Jul - Aug | Fruit           |  | Own Use            |  |
| Pomegranate | <i>Punica granatum</i>          | Anaar, Druni | Ganesh, Kandhari, Local | Tree, Regular Bearing, Shrub | Plains, Mid hills | Rare   | Rare   | Nurseries, Local Raised, Wild | May - Aug | Fruit, Anardana |  | Own Use            |  |
| Pear        | <i>Pyrus spp.</i>               | Nakh         | Pathar Nakh, China Pear | Tree, Regular Bearing        | Plains, mid hills | Rare   | Rare   | Nurseries                     | Aug - Sep | Fruit           |  | Own Use            |  |
| Peach       | <i>Prunus persica</i>           | Aaroo        | July Elberta, Quetta    | Tree, Regular Bearing        | Plains, mid hills | Rare   | Plenty | Nurseries                     | Jun - Jul | Fruit           |  | Marketing, Own Use |  |
| Strawberry  | <i>Fragaria × ananassa</i>      | Strawberry   | Chandler                | Runner, Annual               | Plains, mid hills | Rare   | Plenty | Nurseries                     | Mar - Apr | Fruit           |  | Marketing          |  |
| Karonda     | <i>Carissa carandas</i>         | Garnay       | Local                   | Shrub                        | Hills/ Plains     | Rare   | Rare   | Wild, Local                   | Jun - Aug | Fruit           |  | Marketing, Own Use |  |
| Papaya      | <i>Carica papaya</i>            | Papita       | Local                   | Tree                         | Plains            | Rare   | Plenty | Nurseries, Locally Raised     | Aug - Oct | Fruit           |  | Own Use            |  |

**Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)**

| 1          | 2            | 3                                | 4       | 5                             | 6                        | 7            |          | 8            | 9         | 10               | 11                          | 12                           |
|------------|--------------|----------------------------------|---------|-------------------------------|--------------------------|--------------|----------|--------------|-----------|------------------|-----------------------------|------------------------------|
| Plant Type | Local Name   | Scientific Name                  | Variety | Landscape/<br>Habitat         | Source of<br>plant/seeds | Local status |          | Uses (usage) | Part used | Associated<br>TK | Other details<br>market/own | Community/<br>Know.          |
|            |              |                                  |         |                               |                          | Past         | Present  |              |           |                  |                             |                              |
| Herbs      | Dudlu        | <i>Taraxacum officinale</i>      |         | Temperate area                | Root                     | Rare         | Rare     | nil          | Leaves    | N.A              | N.A                         | Generally, held by community |
| Herbs      | Tarad        | <i>Dioscorea belophylla</i>      |         | Lower shiwalik                | Seed                     | Abundant     | Abundant | nil          | Root      | N.A              | N.A                         | Generally, held by community |
| Herbs      | Jungli putna | <i>Mentha arvensis</i>           |         | Lower shiwalik/Temperate area | Root                     | Abundant     | Abundant | nil          | Leaves    | N.A              | N.A                         | Generally, held by community |
| Shrubs     | Trimuru      | <i>Zanthoxylum armatum</i>       |         | Lower shiwalik                | Seed                     | Rare         | Rare     | nil          | Fruit     | N.A              | N.A                         | Generally, held by community |
| Shrubs     | brankad      | <i>Adhatoda vesica</i>           |         | Lower shiwalik                | Seed                     | Abundant     | Abundant | nil          |           | N.A              | N.A                         | Generally, held by community |
| Shrubs     | Drainkdu     | <i>Murraya koenigii</i>          |         | Sub-Tropical area             | Seed                     | Rare         | Abundant | nil          | Fruit     | N.A              | N.A                         | Generally, held by community |
| Shrubs     | Dussa        | <i>Colebrookia oppositifolia</i> |         | Lower shiwalik                | Seed                     | Rare         | Rare     | nil          | Flower    | N.A              | N.A                         | Generally, held by community |
| Shrubs     | Thor/Shuu    | <i>Euphorbia royleana</i>        |         | Lower shiwalik                | Seed                     | Abundant     | Abundant | nil          | Leaves    | N.A              | N.A                         | Generally, held by community |
| Shrubs     | Bareyan      | <i>Acorus calamus</i>            |         | Lower shiwalik                | Seed                     | Rare         | Rare     | nil          | Leaves    | N.A              | N.A                         | Generally, held by community |

|        |              |                             |  |                   |      |          |          |                                     |                |     |     |                              |
|--------|--------------|-----------------------------|--|-------------------|------|----------|----------|-------------------------------------|----------------|-----|-----|------------------------------|
| Shrubs | Bhang        | <i>Canabis sativia</i>      |  | Lower shiwalik    | Seed | Abundant | Abundant | nil                                 |                | N.A | N.A | Generally, held by community |
| Tree   | Amla         | <i>Phyllanthus emblica</i>  |  | Lower shiwalik    | Seed | Abundant | Abundant | nil                                 | Leaves/Fruit   | N.A | N.A | Generally, held by community |
| Tree   | Bair         | <i>Ziziphus xylocarpa</i>   |  | Lower shiwalik    | Seed | Abundant | Abundant | nil                                 | Stem           | N.A | N.A | Generally, held by community |
| Tree   | Bheda        | <i>Terminalia bellerica</i> |  | Lower shiwalik    | Seed | Rare     | Abundant | nil                                 | Fruit          | N.A | N.A | Generally, held by community |
| Tree   | Bill-Patre   | <i>Aegle mermelos</i>       |  | Sub-Tropical area | Seed | Abundant | Abundant | nil                                 | Root           | N.A | N.A | Generally, held by community |
| Tree   | Drankh       | <i>Melia azadirach</i>      |  | Lower shiwalik    | Seed | Abundant | Abundant | nil                                 | Leaves         | N.A | N.A | Generally, held by community |
| Tree   | Harad        | <i>Terminalia chebula</i>   |  | Lower shiwalik    | Seed | Abundant | Abundant | Good for digestion                  | Stem/Fruit     | N.A | N.A | Generally, held by community |
| Tree   | Jaman        | <i>Syzygium cumini</i>      |  | Lower shiwalik    | Seed | Abundant | Abundant | maintains sugar level in human body | Leaves/Fruit   | N.A | N.A | Generally, held by community |
| Tree   | Kakad-Singhi | <i>Pistacia khinjuk</i>     |  | Lower shiwalik    | Seed | Rare     | Rare     | nil                                 | Leaves/Fruit   | N.A | N.A | Generally, held by community |
|        | Karal        | <i>Bauhinia variegata</i>   |  | Lower shiwalik    | Seed | Abundant | Abundant | nil                                 | Leaves/ Flower | N.A | N.A | Generally, held by community |
| Tree   | Khair        | <i>Acacia catechu</i>       |  | Lower shiwalik    | Seed | Abundant | Abundant | nil                                 | Leaves/Stem    | N.A | N.A | Generally, held by community |
| Tree   | Kringal      | <i>Casia fistula</i>        |  | Lower shiwalik    | Seed | Abundant | Abundant | nil                                 | Fruit          | N.A | N.A | Generally, held by community |
| Tree   | Lusada       | <i>Cordia dichotoma</i>     |  | Lower shiwalik    | Seed | Rare     | Abundant | nil                                 | Leaves/Fruit   | N.A | N.A | Generally, held by community |

|        |         |                            |  |                |      |          |          |     |              |     |     |                              |
|--------|---------|----------------------------|--|----------------|------|----------|----------|-----|--------------|-----|-----|------------------------------|
| Tree   | Mango   | <i>Mangifera indica</i>    |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Stem/Fruit   | N.A | N.A | Generally, held by community |
| Tree   | Retha   | <i>Sapindus mukorossii</i> |  | Lower shiwalik | Seed | Rare     | Rare     | nil | Fruit        | N.A | N.A | Generally, held by community |
| Tree   | Rumbal  | <i>Ficus racemosa</i>      |  | Lower shiwalik | Seed | Rare     | Abundant | nil | Leaves       | N.A | N.A | Generally, held by community |
| Tree   | Sree    | <i>Albizzia lebeck</i>     |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves/Stem  | N.A | N.A | Generally, held by community |
| Tree   | Talli   | <i>Dalbergia sissoo</i>    |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Stem         | N.A | N.A | Generally, held by community |
| Tree   | Trimbal | <i>Ficus auriculata</i>    |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves/Fruit | N.A | N.A | Generally, held by community |
| Tree   | Tuni    | <i>Toona ciliata</i>       |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Stem         | N.A | N.A | Generally, held by community |
| Tree   | Arjun   | <i>Terminalia arjuna</i>   |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves/Bark  | N.A | N.A | Generally, held by community |
| Tree   | Neem    | <i>Azadirachta indica</i>  |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves/Bark  | N.A | N.A | Generally, held by community |
| tree   | Khair   | <i>Acacia catechu</i>      |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves/Bark  | N.A | N.A | Generally, held by community |
| Shrubs | Bhang   | <i>Cannabis sativa</i>     |  | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves/Bark  | N.A | N.A | Generally, held by community |



**Format 14: Timber Plants / Trees**

| 1          | 2          | 3                       | 4              | 5            |          | 6                 | 7                  | 8             | 9             | 10                           |
|------------|------------|-------------------------|----------------|--------------|----------|-------------------|--------------------|---------------|---------------|------------------------------|
| Plant Type | Local Name | Scientific Name         | Habitat        | Local status |          | Wild/ home-garden | Other uses (multi) | Associated TK | Other details | Community/ Know. holder      |
|            |            |                         |                | Past         | Present  |                   |                    |               |               |                              |
| Trees      | Kiker      | <i>Acacia nilotica</i>  | Lower shiwalik | Rare         | Rare     | Wild              | own                | nil           | nil           | Generally, held by community |
| Trees      | Mangoo     | <i>Mangifera indica</i> | Lower shiwalik | Abundant     | Abundant | Wild/ home-garden | own                | nil           | nil           | Generally, held by community |
| Trees      | Safeda     | <i>Eucalyptus spp.</i>  | Lower shiwalik | Rare         | Abundant | Wild              | commercial         | nil           | nil           | Generally, held by community |
| Trees      | Sree       | <i>Albizzia lebbeck</i> | Lower shiwalik | Abundant     | Abundant | Wild              | own                | nil           | nil           | Generally, held by community |
| Trees      | Talli      | <i>Dalbergia sissoo</i> | Lower shiwalik | Abundant     | Abundant | Wild              | own                | nil           | nil           | Generally, held by community |
| Trees      | Tuni       | <i>Toona ciliata</i>    | Lower shiwalik | Abundant     | Abundant | Wild              | own                | nil           | nil           | Generally, held by community |
| Trees      | Popular    | <i>Populus ciliata</i>  | Lower shiwalik | Rare         | Abundant | Wild              | own                | nil           | nil           | Generally, held by community |
| Trees      | chir       | <i>Pinus roxburghii</i> | Lower shiwalik | Rare         | Rare     | Wild              | own                | nil           | nil           | Generally, held by community |
| Trees      | Jammun     | <i>Syzygium cumini</i>  | Lower shiwalik | Rare         | Abundant | Wild              | own                | nil           | nil           | Generally, held by community |



**Format 15: Domesticated Animals**

| 1           | 2          | 3                 | 4                    | 5   | 6                 | 7            |         | 8                                  | 9             | 10                 | 11   | 12                      |
|-------------|------------|-------------------|----------------------|---|-------------------|--------------|---------|------------------------------------|---------------|--------------------|--|-------------------------|
| Animal Type | Local Name | Scientific Name   | Breed (local/hybrid) | Features  | Method of keeping | Local status |         | Uses                               | Associated TK | Commercial rearing | Other details including products and services    | Community Know. Holders |
|             |            |                   |                      |   |                   | Past         | Present |                                    |               |                    |  |                         |
| Sheep       | Bhaed      | <i>Ovis aries</i> | Local (Non descript) | Small size, low body weight, rough body coat                | Statonary         | Pleny        | Rare    | Mutton, wool, skin and manure      | Yes           | Some               | Mutton, wool, skin and manure bones hide and gut | Locals                  |
| Sheep       | Bhaed      | <i>Ovis aries</i> | Rambouillet cross    | Large size, fine wool, with long legs mostly white in color | Statonary         | Pleny        | Rare    | Mutton, wool, skin and manure      | Yes           | Some               | Mutton, wool, skin and manure bones hide and gut | Locals                  |
| Goat        | Bakri      | <i>Copra</i>      | Beetal Crosses       | Large size, high body wt. mostly black & brown body color   | Statonary         | Pleny        | Rare    | Chevon milk, skin, hair and manure | Yes           | Some               | Chevo, milk skin, hair, bones, hide and gut      | Locals                  |





**FORMAT 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc**

| 1          | 2          | 3                            | 4     | 5                      | 6            |          | 7                   | 8                | 9               | 10            | 11                         |
|------------|------------|------------------------------|-------|------------------------|--------------|----------|---------------------|------------------|-----------------|---------------|----------------------------|
| Plant Type | Local Name | Scientific Name              | Habit | Habitat                | Local status |          | Commercial/own use  | Part collected   | Associated TK   | Other details | Community Knowledge Holder |
|            |            |                              |       |                        | Past         | Present  |                     |                  |                 |               |                            |
| Tree       | Shisham    | <i>Dalbergia sisoo</i>       | Tree  | Northern/ Sub-Tropical | Good         | Moderate | Commercial/ own use | Stem, Timber     | -               | -             | -                          |
| Tree       | Khair      | <i>Acacia catechu</i>        | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial/ own use | Timber/ Firewood | Katha           | -             | -                          |
| Tree       | Amla       | <i>Emblica officinalis</i>   | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial/ own use | Fruit            | Food processing | -             | -                          |
| Tree       | Siris      | <i>Albizzia lebeck</i>       | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial own use  | Timber/ Firewood | -               | -             | -                          |
| Tree       | Chir       | <i>Pinus roxburghii</i>      | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial/ own use | Timber/ Firewood | Resin           | -             | -                          |
| Tree       | Lecunia    | <i>Leucaena lencecephala</i> | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -               | -             | -                          |
| Tree       | Simbal     | <i>Bombax cebia</i>          | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -               | -             | -                          |
| Tree       | Kamila     | <i>Mallotus philippensis</i> | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial /own use | Timber/ Firewood | -               | -             | -                          |
| Tree       | Krangal    | <i>Cassia fistula</i>        | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -               | -             | -                          |
| Tree       | Ber        | <i>Ziziphus jujuba</i>       | Tree  | Northern/Sub-Tropical  | Good         | Moderate | Commercial /own use | Fruit            | -               | -             | -                          |

|       |           |                               |        |                       |      |          |                    |                 |   |   |   |
|-------|-----------|-------------------------------|--------|-----------------------|------|----------|--------------------|-----------------|---|---|---|
| Tree  | Plash     | <i>Butea monosperma</i>       | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree  | Arjun     | <i>Terminalia arjuna</i>      | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree  | Jamun     | <i>Syzygium cumini</i>        | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree  | Santha    | <i>Dodonaea viscosa</i>       | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree  | Amb       | <i>Mangifera indica</i>       | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Fruit           | - | - | - |
| Tree  | Kiker     | <i>Acacia nilotoca</i>        | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree  | Sagwan    | <i>Tectona grandis</i>        | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree  | Safeda    | <i>Eucalyptus</i>             | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree  | Bel       | <i>Aegle marmelos</i>         | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Leaves/ Fruit   | - | - | - |
| Tree  | kakoa     | <i>Flacourtia indica</i>      | Tree   | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Fruit           | - | - | - |
| Grass | Bamboo    | <i>Dendrocalamus Strictus</i> | Grass  | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Sticks          | - | - | - |
|       | Bhang     | <i>Cannabis sativa</i>        | herbs  | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Leaves          | - | - | - |
| Shrub | Jojra     | <i>Pupalia lappacea</i>       | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | -               | - | - | - |
| Shrub | Garna     | <i>Carissa spinarum</i>       | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Fruit           | - | - | - |
| Shrub | Panjphuli | <i>Lantana camara</i>         | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | -               | - | - | - |

|         |                     |                                 |         |                       |      |          |                    |                     |   |   |   |
|---------|---------------------|---------------------------------|---------|-----------------------|------|----------|--------------------|---------------------|---|---|---|
| Shrub   | Gandila             | <i>Nerium indicum</i>           | Shrubs  | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Flower              | - | - | - |
| Shrub   | Pansar              | <i>Wemdlandia heynei</i>        | Shrubs  | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | -                   | - | - | - |
| Herbs   | congress Grass      | <i>Parthenium hysterophrous</i> | herbs   | Northern/Sub-Tropical | Good | Moderate | -                  | -                   | - | - | - |
| Tree    | Badh                | <i>Ficus benghalensis</i>       | Tree    | Northern/Sub-Tropical | Good | Moderate |                    |                     |   |   |   |
| Tree    | Peepal              | <i>Ficus religiosa</i>          | Tree    | Northern/Sub-Tropical | Good | Moderate | -                  |                     | - | - | - |
| Tree    | Phulai              | <i>Acacia modesta</i>           | Tree    | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/<br>Firewood | - | - | - |
| Climber | Tarad               | <i>Dioscorea belophylla</i>     | Climber | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Roots               |   |   |   |
| Climber | Jungli bitter gourd | <i>Momordica charantia</i>      | Climber | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Fruit               |   |   |   |
| Climber | Purple yam          | <i>dioscorea alata</i>          | Climber | Northern/Sub-Tropical | Good | Moderate | -                  |                     |   |   |   |
| Climber | Striped cucumber    | <i>Diplocyclos palmatus</i>     | Climber | Northern/Sub-Tropical | Good | Moderate | -                  |                     |   |   |   |

**Format 19: Wild Plant Species of Importance**

| 1     | 2                  | 3                        | 4       | 5  | 6      |
|-------|--------------------|--------------------------|---------|--|--------|
| Sl.No | Local Name         | Scientific Name          | Variety | Importance<br>(as economic,social,cultural etc.) | Status |
| 1     | Santha             | <i>Dodonaea viscosa</i>  | Shrub   | Firewood   | Good   |
| 2     | Kanner/Lal Gandila | <i>Nerium indicum</i>    | Shrub   |  | Good   |
| 3     | Daduni             | <i>Punica grantum</i>    | Shrub   | Live Hedge fencing                               | Good   |
| 4     | Brenker            | <i>Adhatoda vasica</i>   | Shrub   | -  | Good   |
| 5     | Bhang              | <i>Cannabis sativa</i>   | Shrub   | Medicinal  | Good   |
| 6     | Aakh               | <i>Ipomea cornea</i>     | Shrub   | Soil binder                                      | Good   |
| 7     | pansar             | <i>Wendlandia heynei</i> | Shrub   | Firewood   | Good   |





**Format 21: Wild Aquatic Plant Species of Importance**

| <b>1</b>      | <b>2</b>          | <b>3</b>               | <b>4</b>       | <b>5</b>          | <b>6</b>      |
|---------------|-------------------|------------------------|----------------|-------------------|---------------|
| <b>S. No.</b> | <b>Local Name</b> | <b>Scientific Name</b> | <b>Variety</b> | <b>Importance</b> | <b>Trends</b> |

No Aquatic weed found in this panchayat

**Format 22: Wild Plants of Medicinal Importance**

| 1                         | 2          | 3                           | 4       | 5                     | 6            |         | 7            | 8            | 9                            | 10                          |
|---------------------------|------------|-----------------------------|---------|-----------------------|--------------|---------|--------------|--------------|------------------------------|-----------------------------|
| Plant (Herb, Shrub, Tree) | Local Name | Scientific Name             | Variety | Landscape/Habitat     | Local Status |         | Uses (usage) | Part used    | Other details market/own use | Community/ Knowledge Holder |
|                           |            |                             |         |                       | Past         | Present |              |              |                              |                             |
| Tree                      | Arjun      | <i>Terminalia arjuna</i>    | Tree    | Northern/Sub-Tropical | Good         | Good    | Medicinal    | Bark         | -                            | -                           |
| Tree                      | Amla       | <i>Emblica officinalis</i>  | Tree    | Northern/Sub-Tropical | Good         | Good    | Medicinal    | Bark/ Fruit  | -                            | -                           |
| Tree                      | Harad      | <i>Terminalia chebula</i>   | Tree    | Northern/Sub-Tropical | Good         | Good    | Medicinal    | Bark/ Fruit  | -                            | -                           |
| Tree                      | Behra      | <i>Terminalia bellirica</i> | Tree    | Northern/Sub-Tropical | Good         | Good    | Medicinal    | Bark/ Fruit  | -                            | -                           |
| Tree                      | Sukchain   | <i>Pongamia pinnata</i>     | Tree    | Northern/Sub-Tropical | Good         | Good    | Medicinal    | Bark         | -                            | -                           |
| Tree                      | Jamun      | <i>Syzygium cumini</i>      | Tree    | Northern/Sub-Tropical | Good         | Good    | Medicinal    | Fruit /seeds | -                            | -                           |



**Format 24: Ornamental Plants**

| <b>1</b>          | <b>2</b>                    | <b>3</b>       | <b>4</b>               | <b>5</b>                              | <b>6</b>             | <b>7</b>                | <b>8</b>                               |
|-------------------|-----------------------------|----------------|------------------------|---------------------------------------|----------------------|-------------------------|--|
| <b>Local Name</b> | <b>Scientific Name</b>      | <b>Variety</b> | <b>Habitat</b>         | <b>Commercial/Non-Commercial Uses</b> | <b>Associated TK</b> | <b>Any other Detail</b> | <b>Community/<br/>Knowledge Holder</b> |
| Gandila           | <i>Nerium indicum</i>       | Shrub          | Northern/ Sub-Tropical | -                                     | -                    | -                       | -                                      |
| Panjtara          | <i>Tara spinosa</i>         | Shrub          | Northern/ Sub-Tropical | -                                     | -                    | -                       | -                                      |
| Bougainvillea     | <i>Bougainvillea glabra</i> | Shrub          | Northern/ Sub-Tropical | -                                     | -                    | -                       | -                                      |
| Gulmohar          | <i>Delonix regia</i>        | Tree           | Northern/ Sub-Tropical | -                                     | -                    | -                       | -                                      |

**Format 25:Fumigate/Chewing Plants**

| 1                         | 2          | 3                       | 4       | 5                                 | 6            |         | 7            | 8         | 9             | 10                         | 11                          |
|---------------------------|------------|-------------------------|---------|-----------------------------------|--------------|---------|--------------|-----------|---------------|----------------------------|-----------------------------|
| Plant (Herb, Shrub, Tree) | Local Name | Scientific Name         | Variety | Habitat                           | Local Status |         | Uses (Usage) | Part used | Associated TK | Other details(mode of use) | Community /Knowledge holder |
|                           |            |                         |         |                                   | Past         | Present |              |           |               |                            |                             |
| Herb                      | Pudina     | <i>Mentha spp.</i>      |         | Homestead, agricultural land      | Abudant      | abudant | Spice        | leaves    |               |                            |                             |
| Tree                      | curry tree | <i>Murraya koenigli</i> |         | moist forest and agricultral land | Abudant      | abudant | Spice        | leaves    |               |                            |                             |
| Herb                      | wild Tulsi | <i>Ocimum sanctum</i>   |         | Moist soil                        | Abudant      | abudant | Medicinal    | leaves    |               |                            |                             |

**Format26: Timber Plants**

| 1          | 2                       | 3                     | 4            |          | 5                   | 6                | 7             | 8                           |
|------------|-------------------------|-----------------------|--------------|----------|---------------------|------------------|---------------|-----------------------------|
| Local Name | Scientific Name         | Habitat               | Local Status |          | Other Uses ,if any  | Associated TK    | Other Details | Community /Knowledge holder |
|            |                         |                       | Past         | Present  |                     |                  |               |                             |
| Chir       | <i>Pinus roxburghii</i> | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |
| Shisham    | <i>Dalbergia sisoo</i>  | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |
| Ber        | <i>Ziziphus jujuba</i>  | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |
| Sagwan     | <i>Tectona grandis</i>  | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |
| Safeda     | <i>Eucalyptus</i>       | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |
| Simbal     | <i>Bombax ceiba</i>     | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |
| Tunu       | <i>Cidrela toona</i>    | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |
| Jamun      | <i>Syzygium cumini</i>  | Northern/Sub-Tropical | Good         | Moderate | Commercial/ own use | Timber/ Firewood | -             | -                           |







**Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)**

| 1           | 2                    | 3                        | 4                      | 5           | 6                | 7            |         | 8             | 9             | 10                                   | 11            | 12                          |
|-------------|----------------------|--------------------------|------------------------|-------------|------------------|--------------|---------|---------------|---------------|--------------------------------------|---------------|-----------------------------|
| Animal Type | Local Name           | Scientific Name          | Habitat                | Description | Season when seen | Local Status |         | Uses (if any) | Associated TK | Mode of Hunting, collecting (if any) | Other details | Community/ Knowledge Holder |
|             |                      |                          |                        |             |                  | Past         | Present |               |               |                                      |               |                             |
| Wild Animal | Leopard              | <i>Panthera Pardus</i>   | Northern/ Sub-Tropical | -           | Winter           | Good         | Good    | -             | -             | -                                    | -             |                             |
| Wild Animal | Squirrels            | <i>Sciuridae</i>         | Northern/ Sub-Tropical | -           | -                | Good         | Good    | -             | -             | -                                    | -             |                             |
| Wild Animal | Boar                 | <i>Sus scofra</i>        | Northern/ Sub-Tropical | -           | -                | Good         | Good    | -             | -             | -                                    | -             |                             |
| Wild Animal | Indian Hare          | <i>lepus nigricollis</i> | Northern/ Sub-Tropical | -           | -                | Good         | Good    | -             | -             | -                                    | -             |                             |
| Wild Animal | Monkey               | <i>Cercopithecidae</i>   | Northern/ Sub-Tropical | -           | -                | Good         | Good    | -             | -             | -                                    | -             |                             |
| Wild Bird   | Red jungle fowl      | <i>Gallus gallus</i>     | Northern/ Sub-Tropical | -           | -                | Good         | Good    | -             | -             | -                                    | -             |                             |
| Wild bird   | Rose ringed parakeet | <i>Psittaculidae</i>     | Northern/ Sub-Tropical | -           | -                | Good         | Good    | -             | -             | -                                    | -             |                             |

|              |             |                                 |                        |   |   |      |      |   |   |   |   |  |
|--------------|-------------|---------------------------------|------------------------|---|---|------|------|---|---|---|---|--|
| Wild Animal  | Fox         | <i>Vulpes</i>                   | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| Wild Animal  | Porcupine   | <i>Erethizon dorsatum</i>       | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| wild insects | Grasshopper | <i>Parallelus</i>               | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| wild insects | butterfly   | <i>Chorthippus brunneus</i>     | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| wild insects | bees        | <i>Apis mellifera</i>           | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| wild insects | ants        | <i>Brachymyrmex patagonicus</i> | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| wild insects | Bumble bee  | <i>Bombus</i>                   | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| Amphibia     | Frog        | <i>Euphlyctis cyanophlyctis</i> | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| Reptiles     | Tortoises   | <i>Testudines</i>               | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |
| Reptiles     | Snake       | <i>Natrix</i>                   | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | - |  |





**Format 31: Any other information of local importance**

| <b>1</b>       | <b>2</b>                               | <b>3</b>       |
|----------------|--|----------------|
| <b>Sr. No.</b> | <b>Information of local importance</b> | <b>Remarks</b> |
|                | Nil                                    |                |

*End of Part II*